Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA		
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	Sharon L. Turner	1649	Page 1 of 14	
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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,946,778	08-1990	Ladner et al	
	в	US-			
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	G	US-			
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
Å	N	WO 94/11513 A1	05-1994		Medical Research Council	
4	0	WO 94/08012 A1	04-1994		Research Corporation Tech	
¥	P	WO 93/13200 A1	07-1993		Novonordisk AS	
₩	a	WO 93/11248 A1	06-1993		Ciba Geigy AG	
	R					
	S					
	Т					l

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
*	U	AGARD DA, "To fold or not to fold," Science 260(5116):1903-1904 (1993)
¥	v	BANKS et al, "Peptide binding I blood and passage across the blood-brain barrier" in <u>Blood Binding and Drug Transfer,</u> Tillement et al, eds. pp. 223-241 (1992)
¥	w	BLOND et al, "Partly native epitopes are already present on early intermediates in the folding of tryptophan synthase," Proc Natl Acad Sci USA 84(5):1147-1151 (1987)
¥	x	BREMS et al, "Solubility of different folding conformers of bovie growth hormone," Biochemistry 27:4541-4545 (1988)

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA		
Nouce of Melerences Cheu	Examiner	Art Unit		
	Sharon L. Turner	1649	Page 2 of 14	
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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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	NON-PATENT DOCUMENTS
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	BURDICK et al, "Assembly and aggregation properties of synthetic Alzheimer's A4/beta amyloid peptide analogs," J Biol Chem 267(1):546-554 (1992)
v	BUSH et al, "Rapid induction of Alzheimer A beta amyloid formation by zinc," Science 265(5177):1464-1467 (1994)
w	CARLSON et al, "Antibody assisted protein refolding," Biotechnology (NY) 10(1):86-91 (1992)
x	CHOTHIA et al, "Principles of protein-protein recognition," Nature 256(5520):705-708 (1975)
	× ×

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA		
nouse of herefences ones	Examiner	Art Unit		
	Sharon L. Turner	1649	Page 3 of 14	

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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FOREIGN PATENT DOCUMENTS

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	Т					

<i>.</i>	NON-PATENT DOCUMENTS				
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)			
*	U	CRAIG EA, "Chaperones: helpers along the pathways to protein folding," Science 260(5116):1902-1903 (1993)			
¥	v	CRAPPER McLACHLAN et al, "Intramuscular desferrioxamine in patients with Alzheimer's disease," Lancet 337(8753):1304- 1308 (1991)			
¥	w	DE YOUNG et al, "Aggregation of globular proteins," Accounts of Chemical Research 26:614-620 (1993)			
*	×	DUENAS et al, "Intra- and extracellular expression of an scFv antibody fragment in E. coli: effect of bacterial strains and pathway engineering using GroES/L chaperonins," Biotechniques 16(3):476-7, 480-483 (1994)			

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/P Reexaminatio SOLOMON, E	n
	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 4 of 14
US	PATENT DOCUMENTS		

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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	s					
	Т					

		NON-PATENT DOCUMENTS
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
¥	υ	ELLIS et al, "Molecular chaperones," Annu Rev Biochem 60:321-47 (1991)
¥	v	ELLIS et al, "The molecular chaperone concept," Biochem Soc Symp 55:145-253 (1989)
*	w	FRASER et al, "Biochemistry of Alzheimer's disease amyloid plaques," Clin Biochem 26(5):339-349 (1993)
∗	×	FRASER et al, "Effects of sulfate ions on Alzheimer beta/A4 peptide assemblies: implications for amyloid fibril-proteoglycan interactions," J Neurochem 59(4):1531-1540 (1992)

Auto-Fill Add A Page Delete Last Page

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/I Reexamination SOLOMON,	on
notice of Neferences Cited	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 5 of 14
	J.S. PATENT DOCUMENTS		

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) U FREDERICKSON CJ, "Neurobiology of zinc and zinc-containing neurons," Int Rev Neurobiol 31:145-238 (1989) ¥ FRIGUET et al, "A convenient enzyme-linked immunosorbent assay for testing whether monoclonal antibodies recognize the R V same antigenic site. Application to hybridomas specific for the beta 2-subunit of Escherichia coli tryptophan synthase," J Immunol Methods 60(3):351-358 (1983) ¥ W GETHING et al, "Protein folding in the cell," Nature 355(6355):33-45 (1992) GOLDBERG ME, "Investigating protein conformation, dynamics and folding with monoclonal antibodies," Trends Biochem Sci х ¥ 16(10):358-62 (1991)

	Application/Control No.	Applicant(s)/I	Patent Under
Notice of References Cited	09/441,140	Reexamination SOLOMON,	
Molice of References Ched	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 6 of 14

Document Number Date * Classification Name Country Code-Number-Kind Code MM-YYYY US-Α USв US-С US-D US-Ε US-F G US-USн US-T US-J USκ US-L US-М

FOREIGN	PATENT DOCUMENTS
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	Т					
				NON-PATENT DOCUM	AENTS	

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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
¥	U	GOLOUBINOFF et al, "Reconstitution of active dimeric ribulose bisphosphate carboxylase from an unfolded state depends on two chaperonin proteins and Mg-ATP," Nature 342(6252):884-889 (1989)
¥	~	HAASS et al, "Cellular processing of beta-amyloid precursor protein and the genesis of amyloid beta-peptide," Cell 75(6):1039- 1042 (1993)
₩	\$	HARLOW et al, "Production of Monoclonal Antibodies," in Antibodies, a Laboratory Manual, Chapter 6; Cold Spring Harbor Laboratory (1988)
*	x	HATTORI et al, "Unfolding/refolding studies on bovine beta-lactoglobulin with monoclonal antibodies as probes. Does a renatured protein completely refold?" J Biol Chem 268(30):22414-22419 (1993)
Å		s reference is not being furnished with this Office action (See MPEP & 707.05(a))

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

	Application/Control No.	Applicant(s)/	Patent Under
Notice of References Cited	09/441,140	Reexaminati SOLOMON,	
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	Sharon L. Turner	1649	Page 7 of 14

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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	s					
	Т					

	NON-PATENT DOCUMENTS						
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)					
*	υ	HENDRICK et al, "Molecular chaperone functions of heat-shock proteins," Annu Rev Biochem 62:349-384 (1993)					
#	v	JAENICKE R, "Protein folding: local structures, domains, subunits, and assemblies," Biochemistry 2;30(13):3147-3161 (1991)					
¥	w	MANTYH et al, "Aluminum, iron, and zinc ions promote aggregation of physiological concentrations of beta-amyloid peptide," J Neurochem 61(3):1171-1174 (1993)					
¥	x	MARASCO et al, "Design, intracellular expression, and activity of a human anti-human immunodeficiency virus type 1 gp120 single-chain antibody," Proc Natl Acad Sci USA 90(16):7889-7893 (1993)					
*A co	ov of th	s reference is not being furnished with this Office action. (See MPEP § 707.05(a).)					

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

	Application/Control No.	Applicant(s)/	Patent Under
Notice of References Cited	09/441,140	Reexamination SOLOMON, BEKA	
	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 8 of 14

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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FOREIGN PATENT DOCUMENTS

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	s					
	Т					

NON-PATENT DOCUMENTS * Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) MENDOZA et al, "Chaperonin cpn60 from Escherichia coli protects the mitochondrial enzyme rhodanese against heat υ ¥ inactivation and supports folding at elevated temperatures," J Biol Chem 267(25):17631-17634 (1992) ۷ MILSTEIN C, "Monoclonal antibodies," Sci Am 243(4):66-74 (1980) Æ PLUCKTHUN A, "Mono- and bivalent antibody fragments produced in Escherichia coli: engineering, folding and antigen ¥ w binding," Immunol Rev 130:151-188 (1992) RAO et al, "Chaperone-like activity of alpha-crystallin. The effect of NADPH on its interaction with zeta-crystallin," J Biol Chem ¥ х 269(18):13266-13272 (1994)

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No.	Applicant(s)/	Patent Under
	09/441,140	Reexamination SOLOMON, BEKA	
	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 9 of 14

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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FOREIGN PATENT DOCUMENTS

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	s					
	т					

	NON-PATENT DOCUMENTS						
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)					
₩.	υ	SHINDE et al, "Folding pathway mediated by an intramolecular chaperone," Proc Natl Acad Sci USA 90(15):6924-6928 (1993)					
¥	v	SILEN et al, "The alpha-lytic protease pro-region does not require a physical linkage to activate the protease domain in vivo," Nature 341(6241):462-464 (1989)					
*	w	SOLOMAN et al, "Chaperone-like effect of monoclonal antibodies on refolding of heat-denatured carboxypeptidase A," J Mol Recognit 8(1-2):72-76 (1995)					
ł	x	SOLOMAN et al, "Thermostabilization of carboxypeptidase A by interaction with its monoclonal antibodies," Biotechnol Appl Biochem 14(2):202-211 (1991)					

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA	
	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 10 of 14
	J.S. PATENT DOCUMENTS		

Document Number Date * Name Classification Country Code-Number-Kind Code MM-YYYY US-Α USв US-С US-D US-Ε US-F US-G USн US-T US-J USκ US-L USм

FOREIGN PATENT DOCUMENTS

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	т					

	NON-PATENT DOCUMENTS					
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
4	υ	SOLOMAN et al, "Localization of a highly immunogenic region of carboxypeptidase A recognized by three different monoclonal antibodies and their use in the detection of subtle conformational alterations in this enzyme region," Biochemistry 1989 Feb 7;28(3):1235-1241 (1989)				
¥	v	SOLOMAN et al, "Interaction of carboxypeptidase with a monoclonal antibodies," Molec Immunol 21:1-12 (1984)				
¥	w	TALAFOUS et al, "Solution structure of residues 1-28 of the amyloid beta-peptide," Biochemistry 33(25):7788-7796 (1994)				
¥	x	TOMIYAMA et al, "Rifampicin prevents the aggregation and neurotoxicity of amyloid beta protein in vitro," Biochem Biophys Res Commun 204(1):76-83 (1994)				
A cor	w of thi	s reference is not being furnished with this Office action (See MPEP § 707.05(a))				

Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA	
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Sharon L. Turner	1649	Page 11 of 14
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FOREIGN PATENT DOCUMENTS

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	NON-PATENT DOCUMENTS				
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)			
X	U	TRAVIS et al, "Putting antibodies to work inside cells," Science 261(5125):1114 (1993)			
¥	v	TUOMANEN et al, "Reversible opening of the blood-brain barrier by anti-bacterial antibodies," Proc Natl Acad Sci USA 90(16):7824-7828 (1993)			
¥	w	VALLEE et al, "The metallobiochemistry of zinc enzymes," Adv Enzymol Relat Areas Mol Biol 56:283-430 (1984)			
¥	×	VALLEE et al, "Chemical approaches to the properties of active sites of enzymes," Annu Rev Biochem 38:733-794 (1969)			

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA		
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	Sharon L. Turner	1649	Page 12 of 14	
	S. PATENT DOCUMENTS			

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	Т					

	NON-PATENT DOCUMENTS					
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
¥	U	VALLEE BL, "Active Center of Carboxypeptidase A," Fed Proc 23:8-17 (1964)				
¥	v	VANDENBROECK et al "Refolding and single-step purification of porcine interferon-gamma from Escherichia coli inclusion bodies. Conditions for reconstitution of dimeric IFN-gamma," Eur J Biochem 215(2):481-486 (1993)				
*	w	WELCH WJ, "How cells respond to stress," Sci Am 268(5):56-64 (1993)				
¥	x	WETZEL R, "Mutations and off-pathway aggregation of proteins," Trends Biotechnol 12(5):193-198 (1994)				

Auto- <u>F</u> ill	Add A Page Delete Last Page			
		Application/Control No.	Applicant(s)/	Patent Under
	Notice of References Cited	09/441,140	Reexamination	
	Notice of References Cilea	Examiner	Art Unit	
		Sharon L. Turner	1649	Page 13 of 14
	U	J.S. PATENT DOCUMENTS		

Document Number Date * Name Classification Country Code-Number-Kind Code MM-YYYY US-Α USв US-С US-D US-Ε F US-US-G USн US-T US-J USκ US-L US-М

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	NON-PATENT DOCUMENTS					
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
¥	υ	WETZEL et al, "Mutations in human interferon gamma affecting inclusion body formation identified by a general immunochemical screen," Biotechnology (NY) 9(8):731-737 (1991)				
36	v	WINTHER et al, "Refolding of a carboxypeptidase Y folding intermediate in vitro by low-affinity binding of the proregion," J Biol Chem 269(35):22007-22013 (1994)				
4	w	WISNIEWSKI et al, "Apolipoprotein E: binding to soluble Alzheimer's beta-amyloid," Biochem Biophys Res Commun 192(2):359- 365 (1993)				
*	×	WISNIEWSKI et al, "Apolipoprotein E: a pathological chaperone protein in patients with cerebral and systemic amyloid," Neurosci Lett 135(2):235-238 (1992)				
-A co	ov of th	s reference is not being furnished with this Office action (See MPEP & 707.05(a))				

Notice of References Cited	Application/Control No. Applicant(s)/Patent Under 09/441,140 SOLOMON, BEKA		on
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	Sharon L. Turner	1649	Page 14 of 14
U	.S. PATENT DOCUMENTS		

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		NON-PATENT DOCUMENTS
*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
¥	U	YANKNER et al, "Neurotrophic and neurotoxic effects of amyloid beta protein: reversal by tachykinin neuropeptides," Science 250(4978):279-282 (1990)
¥	v	YOUNG et al, "Amylin and syndrome-X," Drug Dev Res 32:90-99 (1994)
*	w	ZHU et al, "Pro-sequence of subtilisin can guide the refolding of denatured subtilisin in an intermolecular process," Nature 339(6224):483-4 (1989)
`	×	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign. 4

Notice of References Cited	Application/Control No. 09/441,140	Applicant(s)/Patent Under Reexamination SOLOMON, BEKA	
	Examiner	Art Unit	
	Sharon L. Turner	1649	Page 1 of 1

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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	В	US-			
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FOREIGN PATENT DOCUMENTS

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